

Title (en)

Single exposure positive-working photopolymer element.

Title (de)

Durch Einzelbelichtung positiv arbeitendes photopolymeres Element.

Title (fr)

Élément photopolymère travaillant en positif par exposition unique.

Publication

EP 0076565 A1 19830413 (EN)

Application

EP 82304264 A 19820812

Priority

US 30764881 A 19811001

Abstract (en)

[origin: US4427758A] A high speed, positive-working photopolymer element comprising, in order: (1) a support, (2) a nonphotosensitive layer comprising a hardenable binder (e.g., gelatin) containing a releasable hardener (e.g., glutaraldehyde-bisulfite), and an optional colorant, and (3) a permeable photopolymerizable layer. Imagewise exposure of the photopolymerizable layer is followed by diffusion of an alkali through the nonimage area, releasing the hardener. A subsequent wash-off step produces a positive image of the original.

IPC 1-7

G03F 7/02; **G03C 5/00**

IPC 8 full level

G03F 1/56 (2012.01); **G03F 7/004** (2006.01); **G03F 7/09** (2006.01); **G03F 7/105** (2006.01); **G03F 7/11** (2006.01); **G03F 7/26** (2006.01); **G03F 7/30** (2006.01)

CPC (source: EP US)

G03F 1/56 (2013.01 - EP US); **G03F 7/11** (2013.01 - EP US); **G03F 7/26** (2013.01 - EP US)

Citation (search report)

- [A] FR 2107145 A5 19720505 - AGFA GEVAERT NV
- [A] EP 0036221 A1 19810923 - AGFA GEVAERT NV [BE]
- [A] FR 2055329 A5 19710507 - AGFA GEVAERT NV

Cited by

US4596759A; GB2199415A; US4861698A; GB2199415B; EP0344883A1; US4937116A; EP0169492A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0076565 A1 19830413; **EP 0076565 B1 19860514**; DE 3271152 D1 19860619; JP H0150892 B2 19891101; JP S5868741 A 19830423; US 4427758 A 19840124

DOCDB simple family (application)

EP 82304264 A 19820812; DE 3271152 T 19820812; JP 16993082 A 19820930; US 30764881 A 19811001